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PATENT  
4023

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Norbert Sass

Examiner: Uyen T. Ho

Serial Number: 10/087,065

Art Unit: 3731

Filed: February 27, 2002

Atty Docket No: 024-1-033 / 301-1-002

For: "Method and Intravascular Stent for Reducing Complications  
after Implantation of an Intravascular Stent"

AMENDMENT

Box Non-fee Amendment  
Commissioner for Patents  
Washington, D.C. 20231

RECEIVED  
APR 11 2003  
TECHNOLOGY CENTER R3700

Sir:

Responsive to the Official Action of January 2, 2003, applicant amends as follows:

The Abstract is written in Amended form as follows:

Abstract of the Invention

a, Complications after implantation of an intravascular stent and, more particularly, the risk of restenosis due to stent implantation is reduced by using 17beta-estradiol as a vessel healing substance after implantation of an intravascular stent. The 17beta-estradiol can be coated onto an intravascular stent and be included in a drug elution system applied to the intravascular stent. This can be achieved by means of a surface coating process such as a CVD process. 17beta-estradiol inhibits the growth of smooth muscle cells and stimulates the re-endothelialization after implantation of an intravascular stent. The present invention reduces the risk of restenosis and in-stent stenosis.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Box Non-fee Amendment ; Commissioner for Patents, Washington, DC 20231, on this 2 day of April, 2003.

Signed:

Robert R. Mallinckrodt

Dated:

April 2, 2003